PWW 2.0 SERIES
CHILLERS 9–36 KW

- Prevents corrosion and contamination of process water through separated water circuits.
- Integrated flow regulating valve to keep the process water at a stable temperature.
- Low heat and noise emission to the environment.
- Easy to commission through open loop hydraulic circuit.

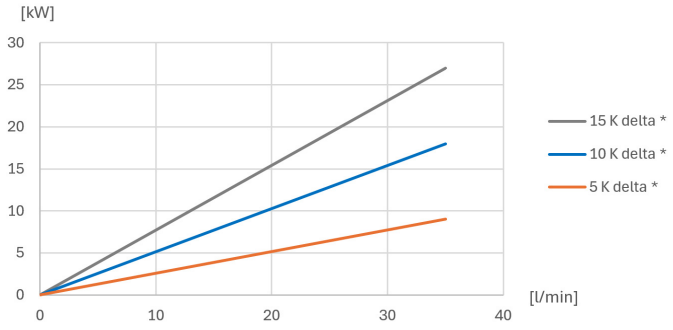
Variant: Plug & Play

PRODUCT	VARIANT	PWW 9.000	PWW 22.000	PWW 36.000	UNIT
ARTICLE NO.	MECHANICAL	42120905007	42120905008	42120905009	
ARTICLE NO.	ELECTRICAL	42122205001	42122205002	42122205003	
ARTICLE NO.	PLUG & PLAY	42123605001	42123605002	42123605003	
DATA					
Rated voltage		AC 50 I 60			Hz ±1 %
		230	400 3~ I 460 3~		V ±10 %
Cooling capacity[1]	WP15/WS20	9	22	36	kW
Primary water inlet (cooling water)	temperature	+10 … +30 I +50 … +86			°C I F
	flow rate	35	70	110	l/min
	pressure	1			bar
Secondary water outlet (process water)	temperature	+15 … +35 I +59 … +95; factory setting +20 I +68			°C I F
	flow rate	13,5	40	52	l/min
	pressure	2.5 I 4	3 I 4.5	2.5 I 4	bar
Ambient temperature		+15 … +45 I +59 … +113			°C I F
Target value tolerance		±2			K
Max power consumption		630 I 930	900 I 1100	900 I 1100	W
Max current consumption		3.5 I 4.5	2.5 I 3		A
Connections (medium)	IG	see hydralic diagram at pfannenberg.com			BSP
Weight (without packaging)		35	45	47	kg
Protection system according to EN 60529 (E-box only)		IP 54			
Colour (base plate)		RAL 7035			
For additional models, options, voltages and accessories visit www.pfannenberg.com or contact us directly.					

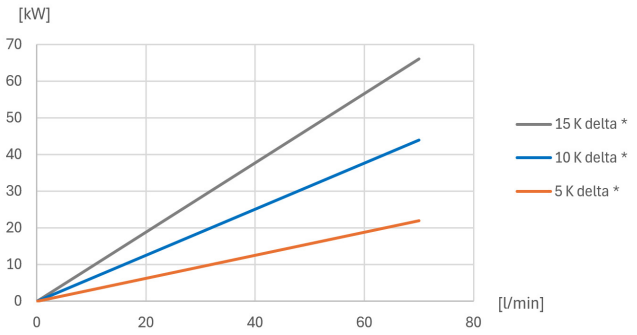
[1] performance data based on 50 Hz operation

Performance curves

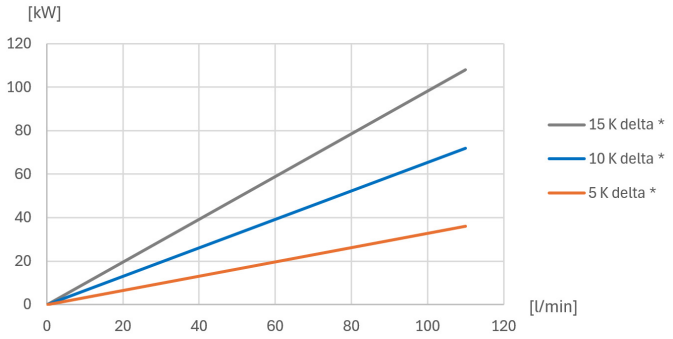
PWW 9000



PWW 22000



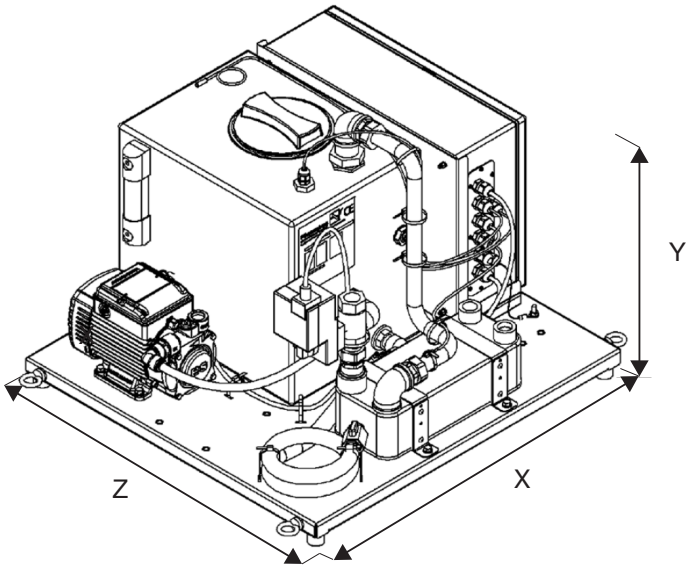
PWW 36000



* delta between primary inlet and secondary outlet

Dimensions

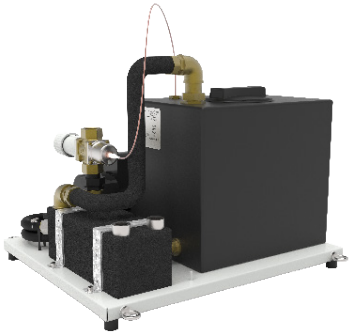
mm	PWW 2.0
X	630 (500 Mechanical-Variant) [1]
Y	468
Z	600



[1] without eye bolts

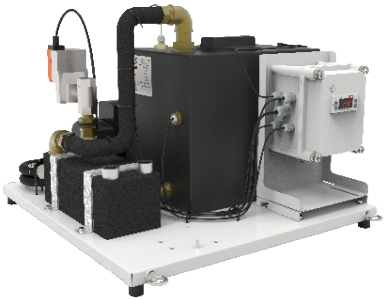
PWW 2.0 – Explanation of Variants: Mechanical - Electrical - Plug & Play

Easily find the right product.



Mechanical

Provides basic functionality to ensure a stable cooling temperature for the application.
- Mechanical valve to control the outlet temperature of the process water (±4.0 K accuracy)
- Non ferrous hydraulic circuit



Electrical

With the electronic thermostat and the 2-way valve this variant provides a more convenient way to adjust the required cooling temperature for the application. The thermostat is able to manage not only a fixed cooling temperature but in combination with an external temperature sensor (available as accessory) also a differential temperature control e.g. to avoid condensate on sensitive parts of the application.
- 2-way valve to control the outlet temperature of the process water (±2.0 K accuracy)
- Electronic thermostat to adjust the set point
- Non ferrous hydraulic circuit
- Differential temperature control feasible with separate temperature probe (not part of the delivery but available as accessory)

Plug & Play

The best equipped variant with a lot of features already installed. Just connect the power supply and all functions are manged by the unit.
This variant is also the base for a wide range of additional options such like a high precision control vale (±0.2 K accuracy), hydraulic bypass valve, flow switch, UL certification (UL508a), Harting connector,…
- 2-way valve to control the outlet temperature of the process water (±2.0 K accuracy)
- Electronic thermostat to adjust the set point
- Min-Max temperature alarm
- Electric level switch to protect pump from running dry
- Error message
- Non ferrous hydraulic circuit
- Remote control of the unit (ON/OFF)
- Differential temperature control feasible with separate temperature probe (not part of the delivery but available as accessory)
- Optionally available with UL approval (UL508a)